

Environmental Management Administration, MOENV

Guideline for “2024 Soil and Groundwater Investigation and Remediation Research Competition”

I. Purpose

The Sustainable Development Goals (SDGs) proposed by United Nations has become guideline of sustainable development of worldwide and the strategy of reaching the goal of Net Zero emission at 2050. Through “Soil and Groundwater Investigation and Remediation Research Competition”, we hope that we can enlighten international students (primarily from ASEAN countries, but not limited to them) and the native students on concepts of environmental protection. The purpose is to encourage actions for soil and groundwater protection. This competition follows **“concepts of soil and groundwater investigation and remediation”** as guidelines. We expect that through this competition, participants will contribute to the goal of sustainable development and the cultivation of talent for native and ASEAN countries.

II. Handling Unit

- A. Organizer: Soil and Groundwater Pollution Remediation Fund Management Board, Environmental Management Administration, MOENV
- B. Implementer: The Taiwan Environmental Sustainable Development (TESD) Foundation

III. Competition description

Group participating in the “Soil and Groundwater Investigation and Remediation Research Competition” should use **“concepts of soil and groundwater investigation and remediation”** as structure. They are encouraged to focus on either (1) Research aspects, such as innovate technologies or (2) Management aspects, such as Strategy for environmental protection policies. Results must be presented in the form of actual finished product presentations or briefings to be considered for scoring by the competition committee.


IV. Participants


- A. When registering for or participating in the competition, you must hold the

qualifications of international graduate students or native graduate students (including master and doctoral students) from public and private colleges and universities in Taiwan.

- B. Participants must form a “joint team” to register, with a maximum of 5 people. Each team must include the following members: At least half of the members must be international graduate students, with a maximum of two native graduate students. Teams can be formed **across schools** or **departments** and they must elect one leader to sign up. Each individual is limited to participating in only one team.

V. Registration and overall schedule

Matter	Date	Content
<p><u>Registration</u> <u>Deadline for Online</u> <u>Seminar on</u> <u>research</u> <u>competition</u></p>	<p>Till 5:00 p.m., Monday, April 29, 2024</p>	<p>1. Registration guide for <u>the 2024 Soil and Groundwater Investigation and Remediation Research Competition.</u></p> <p>2. Online seminar registration URL: https://forms.gle/2oMywgmZRaeZ19EUA</p>  <p>Qrcode</p>
<p>Online Seminar on Research Competition (Session 1)</p>	<p>1:00 p.m., Monday, May 13, 2024</p>	<p>Seminar URL https://meet.google.com/kkh-obwa-kvi</p>
<p>Online Seminar on Research Competition (Session 2)</p>	<p>1:00 p.m., Monday, July 15, 2024</p>	<p>Seminar URL https://meet.google.com/fzn-gzpy-ext</p>
<p>Online Seminar on Research Competition (Session 3)</p>	<p>1:00 p.m., Tuesday, August 13, 2024</p>	<p>Seminar URL https://meet.google.com/jzs-chft-vtd</p>
<p><u>Research</u> <u>Competition</u> <u>Registration and</u> <u>Reception deadline</u></p>	<p>From August 23 (Friday), 2024 to September 20 (Friday), 2024</p>	<p>1. Please assign one of your group members as the team leader, who will be responsible for registering at https://forms.gle/js66DdRuMaoZBxby7. The team representative should fill out basic information about the team members, provide proof of student enrollment, and upload the Competition submission documents (in Word file and</p>

<p style="text-align: center;"><u>Extended</u> <u>Submission</u> <u>Deadline</u></p>	<p style="text-align: center;">October 22 (Tuesday), 2024</p>	<p>PDF formats).</p>  <p>Qrcode</p> <ol style="list-style-type: none"> 2. On-site registration will not be accepted in order to ensure the quality of the research competition. 3. The top 10 groups will be selected by the competition committee to participate in the finals.
<p style="text-align: center;"><u>Research</u> <u>Competition</u> - Notice of Finals</p>	<p style="text-align: center;">Friday, November 29, 2024</p>	<p>Announce the preliminary competition results and notify the teams to proceed to the finals.</p>
<p style="text-align: center;"><u>Research</u> <u>Competition</u> - Finals (Competition day)</p>	<p style="text-align: center;">January, 2025</p>	<p>Conduct the finals for the Soil and Groundwater Investigation and Remediation Research Competition, and please submit the presentation materials one week before the finals.</p>
<p style="text-align: center;"><u>Research</u> <u>Competition</u> - Awards Ceremony</p>	<p style="text-align: center;">Mid-March, 2025</p>	<p>Teams advancing to the secondary review will be separately notified to participate in the award ceremony of the competition.</p>

※The actual schedule will be announced by the organizer.

VI. Competition rules

- A. Competition Committee: The ASEAN Partnership Strategy Group, comprising representatives from industry, government, and academia, will establish a committee of three members initially. Depending on the number of submissions received, the committee may be expanded to include up to a maximum of five members. This committee will oversee a two-stage scoring process for both the preliminary round and the final round of the competition.
- B. Scoring criteria :
1. Preliminary round: The participating teams are required to upload their documents for the Preliminary round within the regulated time. The materials will be reviewed by (1) theme suitability, (2) Innovation in Proposal, and (3) Team execution and feasibility. The committee will then select the top 10 teams to proceed to the finals.
 2. Final Round: The **briefing presentation** or **actual products** provided by the teams as the main final content. The final review will focus on (1) theme suitability, (2) Innovation in Proposal, (3) methodology, (4) feasibility, and (5) Presentation . Teams will have a limited presentation time of 12 minutes, followed by a 6-minutes session for committee question and responses. The winners of the finals will be notified by the organizer.

VII. Submission of documents

- A. Preliminary round documents : Please submit the documents to the URL: <https://forms.gle/js66DdRuMaoZBxby7> within the submission period. The document length should not exceed 5 pages. Please submit both a Word file and a PDF file named by Subject, Institution and Team Name (e.g. Soil and groundwater_CYCUEE_BEE Team). **The required documents for the preliminary round submission are as follows:**
1. Background/Reason
 2. Content proposal for sustainable innovation in soil and groundwater remediation
 3. Specific methods (1) Research aspect: practical solutions for innovative

technologies or (2) Management aspect: environmental protection policy strategies.

4. Expected goals and benefits

B. Final Round :

1. If participants choose **research aspect** as specific method, please hand in the PowerPoint file one week before the final competition and prepare the actual finished products along with the PowerPoint file for final round.
2. If participants choose **management aspect** as specific method, please hand in the PowerPoint file one week before the final competition and also prepare a PowerPoint file for final round.

VIII. Scoring criteria

- A. The ranking method is utilized for the selection. The committee will assign score to each item separately, and calculate the total score. The total score will then be converted into rank.
- B. If two teams have the same rank, the score item of “theme suitability” ranking will be the basis to judge the winner; if teams still have the same rank, the score item of “innovation-related” will be the basis to judge.

The scoring criteria for the preliminary round			
No.	Scoring	Proportion	Content
1	Theme suitability*	30%	Consistent with soil and groundwater content and the purpose of remediation.
2	Innovation in Proposal**	40%	Innovation and creative performance.
3	Team execution and feasibility	30%	The rationality and practical feasibility of benefit assessment.

Note 1: * It is the first scoring item when the ranking is the same.

Note 2: ** It is the second scoring item when ranking is the same.

The scoring criteria for the finals			
No.	Scoring items	Proportion	Content
1	Theme suitability *	20%	Consistent with soil and groundwater content and the purpose of remediation.

2	Innovation in Proposal **	20%	Innovation and creative performance.
3	Method	20%	(1) Research aspect: practical solutions for innovative technologies (2) Management aspect: environmental protection policies and strategies.
4	Feasibility	20%	The rationality and practical feasibility of benefit assessment
5	Presentation	20%	Briefing presentation, oral presentation, spontaneous response

Note 1: * It is the first scoring item when the ranking is the same.

Note 2: ** It is the second scoring item when ranking is the same.

IX. Subsidy and Awards

A. Subsidy items: the transportation expenses for the long-distance bus or Taiwan Railways for each session of the “2024 Soil and Groundwater Investigation and Remediation Research Competition” will be subsidized, with the subsidy ceiling set at the cost of an Express train ticket of Tze-Chiang. Other modes of transportation will not be subsidized. 【Please send three copies of your the ticket stub, transportation fee receipt information (such as Annex IV) and personal account cover within two weeks after the event ends to Hsin-Tzu Tai, Department of Environment Engineering, Chung Yuan Christian University, Room110 Bioscience and Technology Building, No. 200, Zhongbei Rd., Zhongli Dist., Taoyuan City 320314, Taiwan (R.O.C.) The transportation fee will be subsidized upon receipt and confirmation of the correct information】

B. Awards :

The awards for the “Soil and Groundwater Investigation and Remediation Research Competition” will be announced on Awards Ceremony.

1. Outstanding Prize (1 team): a gift certificate or equivalent prize (NTD 50,000) and a certificate of award.
2. Wonderful Prize (1 team): a gift certificate or equivalent prize (NTD 30,000) and a certificate of award.
3. Excellent Prize (1 team): a gift certificate or equivalent prize (NTD 20,000) and a certificate of award.
4. Superior Prize (2 teams): a gift certificate or equivalent prize (NTD 10,000) and a certificate of award.

X. Precautions for participation

- A. Team names and members cannot be modified or replaced after the registration deadline; the organizer reserves the right to reject any additions to the list of team members after the finalists are selected or the winners’ list is announced.
- B. When registering, please provide your frequently used email address and contact number (such as mobile phone number). Important information about the competition, including the finalist selection and the notification of the award ceremony, will be send to this email address.

- C. To protect the rights, obligations and intellectual property rights of all participating teams, please complete the “Authorization Consent Form and Intellectual Property Rights”. (such as Annex I and Annex II). This provides organizers and executive units with permission to promote soil and groundwater protection and permanent, non-profit use.
- D. Entries should conform to the subject of the call for submissions and the acceptance specifications, should not violate laws, infringe or impede public order and good morals, and should be limited to works that have not been published publicly (the definition of "publicly published": the entries must not have been published in any form, published in various The works of the media, including all or part of the content of the works, shall not be disclosed to the public in print, online, social media or in other ways, nor shall they be repeatedly submitted or contested on various media.
- E. Those who plagiarize or copy others, infringe others’ copyrights or whose copyrights are unknown, participate in other competitions at the same time, and do not meet the relevant regulations of this selection, if they are reported and verified to be true, the organizer has the right to revoke the termination qualification. It will be recovered. If there is any violation of the law, all legal responsibilities shall be borne by the participating teams themselves.
- F. Entries include references to other people's works or materials. Please explain in detail or indicate the source.
- G. All materials or works submitted during the competition will not be returned. Teams are advised to retain backup if necessary.
- H. The recipient of the prize is an individual residing in the Republic of China, and the prize money shall be withheld 10% of the income tax in accordance with the provisions of the Income Tax Law for various types of income withholding rates. Those whose tax amount to less than NT\$2,000 will be exempted from withholding; the recipient of the prize is a foreign national and if they stay in the territory of the Republic of China for more than 183 days, 10% of the income tax shall be withheld from the winnings and prizes according to the income tax withholding rate standard stipulated in the Income Tax Law. Regardless of the value of the prizes, 10% of the tax shall be withheld from the winnings; Prize recipients are individuals who are not residing in the Republic of China (i.e., nationals and foreigners who have resided in the Republic of China for less than 183 days). Regardless of the value of the prize, a 20% tax will be withheld on the

winnings.

- I. The winning team will assign a representative from each team to fill in the winning receipt (1) The consent form of the award representative (such as Annex III) and (2) Receipt of the award (such as Annex V), please sign the award receipt and submit to the organizer.

XI. Others

- A. If the selected team is unable to participate in the competition review for some reason, the organizer will notify the alternative team to participate in the review.
- B. The finals for the teams that were not selected, the organizer will provide a **certificate of participation** for encouragement.
- C. The organizer reserves the right to change and explain the program content and event schedule. Matters not covered shall be handled according to relevant laws and regulations; those participating in this competition agree to accept all specifications.

XII. Competition Contact Information

- A. Contact person: Hsin-Tzu Tai, Assistant, The Taiwan Environmental Sustainable Development (TESD) Foundation
- B. TEL : 03-2654909
- C. Email : hsin-tzu-tai@cycu.org.tw

Annex I : Authorization Consent Form

**“2024 Soil and Groundwater Investigation and Remediation
Research Competition”
Authorization Consent Form**

Title : _____

- A. Authors participating in the competition must agree to authorize their works for free, permanently and non-exclusively to the Environmental Management Administration, MOENV (from now on referred to as the Environmental Management Administration) and its entrusted consortium legal person, Environmental Sustainability Development Foundation (from now on referred to as the Association) to do the following use :
- 1、 Published in paper or digital form.
 - 2、 It can be used for the digital collection, reproduction, public transmission through the network, printing, browsing, etc.
 - 3、 Cooperate with marketing promotion to include this article in the database or other channels to provide services.
 - 4、 To meet the business needs entrusted to the Association by the Environmental Protection Administration, the Association may change the format.
 - 5、 Publish works in various forms, provide public screening, public broadcasting, and online reading for teaching, research, and public service purposes for wide publicity.
 - 6、 For teaching and research needs, the EPD may reproduce the work.
 - 7、 I guarantee that the work is my own creation, the same work has been published, won awards in other competitions or is under review, and I will take the initiative to inform the Environmental Management Administration (organizer) as an important reference for the review.
- B. The author guarantees that the design work is created by himself and has the right to obtain the authorization of this agreement. In addition, you should ensure that the authorized works do not infringe on the intellectual property rights of any third party. If the works are untrue and infringe on the copyrights of others and other laws and regulations. In that case, the relevant legal liabilities and losses shall be borne by me and compensated by myself. This consent form is a non-exclusive license, and the author has the right to authorize others to use the design work.
- C. If this work should be signed by all authors. If signed by a single author representative, the signed author warrants that the other co-authors have been notified of the terms of this agreement and that all co-authors are authorized to sign this agreement on their behalf.

Sincerely,

Environmental Management Administration

The Taiwan Environmental Sustainable Development (TESD) Foundation

The person who signed the consent (leader) : _____ (Signature)

Identity card number (residence card number or passport number) :

Phone number:

E-mail :

Contact address :

Date: **(year)** **(month)** **(day)**

Annex II : Intellectual Property Rights

**“2024 Soil and Groundwater Investigation and Remediation
Research Competition”
Intellectual property rights**

This work _____ is indeed created by me/the team I belong to, and it does not violate the relevant provisions of the patent law, copyright law or other intellectual property rights laws; I am willing to take all legal responsibilities and agree that the organizer may disqualify the award winners, and promise to take the initiative to return the certificates and bonuses obtained, which is hereby concluded.

Sincerely,

Organizer: Environmental Management Administration

Implementer: The Taiwan Environmental Sustainable Development (TESD) Foundation

The person who signed the consent (leader) :	Representative Team (Signature/Seal)
ID number (Residence card number or passport number)	

Date: (year) (month) (day)

Annex III : The consent form of the award representative

**“2024 Soil and Groundwater Investigation and Remediation
Research Competition”**

Consent of the award recipient

The members of the team _____ (name of the team) agree that _____ (name of the representative of the award recipient) will be the representative of the award.

Award recipient	Signature/Seal
Team members	Signature/Seal

Sincerely,

Organizer: Environmental Management Administration

Implementer: The Taiwan Environmental Sustainable Development (TESD) Foundation

Date: (year) (month) (day)

Annex IV : Transportation fee receipt

Receipt/收據

I hereby receive the transportation fee for “Developing Cooperation and Exchange Program on Soil and Groundwater Environment Protection in ASEAN Countries(II) - **2024 Soil and Groundwater Investigation and Remediation Research Competition**” amounting to NT\$_____.

茲領到「發展東協國家土壤及地下水環境保護合作交流計畫(二)－**2024 年土壤及地下水調查整治研究競賽**」交通費用計新台幣_____元整，確實無訛。

Sincerely,

此 致

The Taiwan Environmental Sustainable Development (TESD) Foundation

財團法人環境永續發展基金會

Payee/領款人：_____ (Signature/簽章)

Identity card number (Alien Resident Certificate number or passport number)/身

分證字號 (居留證號碼或護照號碼)：_____

Address/住址：_____

Date: (year) (month) (day)

Annex V : Receipt of the award

Receipt/收據

I hereby receive the Developing Cooperation and Exchange Program on Soil and Groundwater Environment Protection in ASEAN Countries(II) - **2024 Soil and Groundwater Investigation and Remediation Research Competition**” The gift certificate is NT\$_____.

茲領到「發展東協國家土壤及地下水環境保護合作交流計畫(二)－2024 年土壤及地下水調查整治研究競賽」獎金禮券計新台幣_____元整，確實無訛。

Sincerely,

此 致

The Taiwan Environmental Sustainable Development (TESD) Foundation

財團法人環境永續發展基金會

Payee/領款人：_____ (Signature/簽章)

Identity card number (Alien Resident Certificate number or passport number)/身

分證字號 (居留證號碼或護照號碼)：_____

Address/住址：_____

Date: (year) (month) (day)